BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

(8)

Name of work: Detailed Estimate for the Work of Improvements to Road and Drains at Royal Enclave Cross Roads in Ward No. 05 Byatarayanapura Sub Division

			Estimate Cost Rs.					2000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	For Desilting of Drain								
	Royal Enclave 5th Cross		2	360.00	0.45	0.30	97.20		
	Cross Road		2	200.00	0.45	0.30	54.00		
							151.20	96.48	**14588.00**
	Basic Rate	82.00							
	Add 11% AD Hoc	9.02							
	Total	**91.02**							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
2	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2016-17	Sqm							
	Royal Enclave 5th Cross		2	360.00	1.65		1188.00		
	Cross Road		2	200.00	1.65		660.00		
							1848.00		
	Deduct 15% Missing Slabs						277.20		
							1570.80	72.95	**114589.00**
	Basic Rate	62.00							
	Add 11% AD Hoc	6.82							
	Total	**68.82**							
	Area Weightage @ 6%	4.13							
	Total	**72.95**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2016-17	Sqm							
			Qty Vide Item No.3				1570.80		
							1570.80	**89.42**	**140463.00**
	Basic Rate	76.00							
	Add 11% AD Hoc	8.36							
	Total	**84.36**							
	Area Weightage @ 6%	5.06							
	Total	**89.42**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2016-17	**Sqm**							
	For Missing slabs (15%)		Missing Slabs				277.20		
							277.20	738.90	**204824.00**
	Basic Rate	628.00							
	Add 11% AD Hoc	69.08							
	Total	**697.08**							
	Area Weightage @ 6%	41.82							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**738.90**							
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 154/ Item No. 20.18/ PWD SR 2016-17	Cum							
	Royal Enclave 5th Cross		1	320.00	5.50	0.20	352.00		
	Cross Road Cutting Portion		2	200.00	0.30	0.20	24.00		
							376.00	1962.57	**737926.00**
	Basic Rate	1668.00							
	Add 11% AD Hoc	183.48							
	Total	**1851.48**							
	Area Weightage @ 6%	111.09							
	Total	**1962.57**							
6	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 157/ Item No. 21.5/	Sqm							
	Royal Enclave 5th Cross		1	360.00	5.50		1980.00		
	Cross Road		1	200.00	5.50		1100.00		
							3080.00	65.89	**202940.00**
	Basic Rate	56.00							
	Add 11% AD Hoc	6.16							
	Total	**62.16**							
	Area Weightage @ 6%	3.73							
	Total	**65.89**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 159/ Item No. 21.20.1/ PWD SR 2016-17	Cum							
	Royal Enclave 5th Cross		1	360.00	5.50	0.025	49.50		
	Cross Road		1	200.00	5.50	0.025	27.50		
							77.00	7137.26	**549569.00**
	Basic Rate	6066.00							
	Add 11% AD Hoc	667.26							
	Total	**6733.26**							
	Area Weightage @ 6%	404.00							
	Total	**7137.26**							
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**151.20**		
							151.20	81.16	**12272.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2016-17 (P.118/I.17.1) For loading	68.00							
	Total	**73.12**							
	Add 11% AD Hoc	8.04							
	Total	**81.16**							
						Grand Total			**1977171.00**
9	For 1% Third Party Inspection Charges								**19772.00**
10	Miscesallaneous Charges	L/S							3057
								Total	**2000000.00**

Rupees Twenty Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike
17/02

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

17/2

Administrative Approval
Accorded For 20.00L
Head of A/C P-1771
CER NO 290 Dt 8/2/18

TECHNICAL SANCTION
Accorded For Rs. Twenty Lakhs only
Head of A/c P-1771
Div. Ref. No. 83/17-18 Date 17/02/18
AE 17/2
EE(BTP) 17/2

TA CE (YNK)